```
Last login: Mon Mar 8 01:29:15 on ttys001
The default interactive shell is now zsh.

To update your account to use zsh, please run 'chsh -s /bin/zsh'.

For more details, please visit https://support.apple.com/kb/HT208050.

Yanans-MacBook-Pro-2:- xieyanans mysql -u root -p

Enter password:
 Enter passwora:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.23 MySQL Community Server - GPL
 Copyright (c) 2000, 2021, Oracle and/or its affiliates
 Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective
 Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
 mysql> create database lianxi02 character set utf8;
Query OK, 1 row affected, 1 warning (0.01 sec)
mysql> use lianxi02;
Database changed
mysql> create table dept(
    -> id int primary key auto_increment,
    -> name varchar(20)
 -> );
Query OK, 0 rows affected (0.01 sec)
 mysql>
mysql> insert into dept (name) values ('开发部'),('市场部'),('财务部');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
 mysql> create table employee (

>> id int primary key auto_increment,

>> name vorchar(10),

>> gender char(1), -- 性別

>> sloary double, -- 工资

>> join_date date, -- 入駅日期

>> dept_id int,

>> foreign key (dept_id) references dept(id) -- 外键, 关联部门表(部门表的主键)

>> );
 -> );
Query OK, 0 rows affected (0.01 sec)
mysql>
mysql> insert into employee(name,gender,solary,join_date,dept_id) values('孙悟空','男',7200,'2013-02-24',1);
Query OK, 1 row affected (0.01 sec)
 mysql> insert into employee(name,gender,salary,join_date,dept_id) values('猪八戒','男',3600,'2010-12-02',2); Query OK, 1 row affected (0.00 sec)
 mysql> insert into employee(name,gender,salary,join_date,dept_id) values('唐僧','男',9000,'2008-08-08',2);
Query OK, 1 row affected (0.00 sec)
 mysql> insert into employee(name,gender,salary,join_date,dept_id) values('白骨精','女',5000,'2015-10-07',3);
Query OK, 1 row affected (0.00 sec)
 mysql> insert into employee(name,gender,salary,join_date,dept_id) values('蝴錄精','女',4500,'2011-03-14',1);
Query OK, 1 row affected (0.00 sec)
mysql» #1 查和工资最高的员工是谁
mysql» select name, solarry from employee
>> where solary = (
>> select max(solary)
>> from employee
>>);
| I name | solary |
 1 row in set (0.00 sec)
3600
5000
4500
 3 rows in set (0.00 sec)
mysql> #3 查询大于5000的员工,来至于哪些部门,输出部门的名字
mysql> selecte.name, e.salary, d.name
>> from employee as e
>> join dept as d
>> on e.dept.id = d.id
>> where e.salary>5000;
   name | salary | name
 mysql> #4 查询开发部与财务部所有的员工信息,分别使用子查询和表连接实现mysql> -- 子查询 mysql> select e.*, d.name as dept_name -> from employee e, dept d -> where e.dept_id = d.id -> and dept_id in ( -> select d.id -> from dept d -> where d.name in ('开发部', '财务部') -> ):
 3 rows in set (0.00 sec)
7 | 1 | 孙悟空 | 月 | 7200 | 2013-02-24 | 5 | 蜘蛛精 | 女 | 4500 | 2011-03-14 | 4 | 白骨精 | 女 | 5000 | 2015-10-07 |
 3 rows in set (0.00 sec)
 mysql> #5 查询2011年以后入职的员工信息和部门信息,分别使用子查询和表连接实现
mysals - 步 宣谕2011年以后人联的从工信息机能
mysals - 子皇尚
mysals select e.*, d.name as dept_name
-> from employee e, dept d
-> where e.dept_id = d.id
-> and e.id in (
-> select e.id
-> from employee e
-> where year(e.join_date) >= 2011
```

							join_date					
-+		+-		+		+		+		-		+
LI	孙悟空	- 1	男	1	7200	1	2013-02-24	Ī	1	1	开发部	1
5 1	蜘蛛精	- 1	女	1	4500	1	2011-03-14	Ī	1	1	开发部	1
H	白骨精	- 1	女	1	5000	1	2015-10-07	1	3	١.	财务部	1
	1	孙悟空 蜘蛛精 白骨精	孙悟空 蜘蛛精 白骨精	孙悟空 男 蜘蛛精 女 白骨精 女	孙悟空 男 蜘蛛精 女	別悟空 男 7200 蜘蛛精 女 4500 白骨精 女 5000	刊	孙悟空	孙悟空	孙悟空	孙悟空	蜘蛛精 女 4500 2011-03-14 1 开发部

mysql> -- 表连接 mysql> select e.*, d.name as dept_name >> from employee as e >> left join dept as d >> on e.dept.id = d.id >> where year(e.join_date) >= 2011;

			na								join_date						
			孙				男	1			2013-02-24					发部	
ı	4	- 1	白	骨柱	ň	1	女	1	5000	1	2015-10-07	1	3	1	财	务部	
ı.	5	1	蜘	蛛科	青	1	女	1	4500	1	2011-03-14	1	1	1	开	发部	

mysql> mysql> mysql>